

Final Version 01.01968

**ADVANCED PAVING
AND CONSTRUCTION**

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UTAH DIVISION OF
SOLID & HAZARDOUS WASTE

**APPLICATION FOR PERMIT RENEWAL
TO OPERATE A CLASS IVB LANDFILL**



WASATCH CIVIL
Consulting Engineering

5320 SOUTH 1950 WEST, SUITE 1
ROY CITY, UTAH 84067 (801) 775-9191



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UTAH DIVISION OF
SOLID & HAZARDOUS WASTE

May 17, 2004

Mr. Phil Burns
Division of Solid and Hazardous Waste
Department of Environmental Quality
P.O. Box 144880
Salt Lake City, UT 84114-4880

RE: Advanced Paving and Construction Landfill Permit Renewal

Dear Mr. Burns;

Attached are revised pages for the *Advanced Paving and Construction, Application for Permit Renewal to Operate a Class IVb Landfill*. The attached pages have been corrected and revised to conform to comments from the Division of Solid & Hazardous Waste as outlined in a letter dated May 7, 2004. Revisions and corrections are summarized as follows:

- Pages 12 through 14 have been corrected to reflect for semi-annual post closure inspection frequency as required by the Solid Waste Permitting and Management Rules. Page 12 has also been modified to clarify the post closure site monitoring requirements.
- Page 6 has been modified to more accurately state the relationship between the minimal risk of explosive gases and the absence of decomposable waste.

We appreciate your review and comments. If you have any questions, please feel free to call.

Sincerely,

Wasatch Civil Consulting Engineering, Inc.


John Bjerregaard, P.E.
Project Engineer

cc Wilbert van der Stappen, Advanced Paving and Construction Inc.

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APPENDIX A – Maps and Drawings

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Utah Class IV and VI Landfill Permit Application Form

Part I General Information APPLICANT: PLEASE COMPLETE ALL SECTIONS.							
I. Landfill Type	<input type="checkbox"/> Class IVa <input type="checkbox"/> Class VI	<input checked="" type="checkbox"/> Class IVb	II. Application Type	<input type="checkbox"/> New Application <input checked="" type="checkbox"/> Renewal Application	<input type="checkbox"/> Facility Expansion <input type="checkbox"/> Modification		
For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number						9810	
III. Facility Name and Location							
Legal Name of Facility Advanced Paving and Construction, Inc.							
Site Address (street or directions to site) Approx. 1650 West 1650 South						County Weber	
City Ogden			State UT	Zip Code 84401		Telephone (801) 731-7882	
Township 6N		Range 2W	Section(s) 24		Quarter/Quarter Section SW 1/4		Quarter Section
Main Gate Latitude degrees 41 minutes 14 seconds 24			Longitude degrees 112 minutes 01 seconds 09				
IV. Facility Owner(s) Information							
Legal Name of Facility Owner Weber Properties L.L.C.							
Address (mailing) P.O. Box 12847							
City Ogden			State UT	Zip Code 84412		Telephone (801) 731-7882	
V. Facility Operator(s) Information							
Legal Name of Facility Operator Advanced Paving and Construction, Inc.							
Address (mailing) P.O. Box 12847							
City Ogden			State UT	Zip Code 84412		Telephone (801) 731-7882	
VI. Property Owner(s) Information							
Legal Name of Property Owner Weber Properties L.L.C.							
Address (mailing) P.O. Box 12847							
City Ogden			State UT	Zip Code 84412		Telephone (801) 731-7882	
VII. Contact Information							
Owner Contact Wilbert van der Stappen				Title President			
Address (mailing) P.O. Box 12847							
City Ogden			State UT	Zip Code 84412		Telephone (801) 731-7882	
Email Address ADVPAVING1@EARTHLINK.NET				Alternative Telephone (cell or other) (801) 430-1115			
Operator Contact				Title			
Address (mailing)							
City			State	Zip Code		Telephone	
Email Address				Alternative Telephone (cell or other)			
Property Owner Contact				Title			
Address (mailing)							
City			State	Zip Code		Telephone	
Email Address				Alternative Telephone (cell or other)			

Utah Class IV and VI Landfill Permit Application Form

Part I General Information (Continued)

VIII. Waste Types (check all that apply)

Waste Type	Combined Disposal Unit	Monofill Unit
<input checked="" type="checkbox"/> Construction & Demolition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Tires	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Yard Waste	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Animals	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PCB's (R315-315-7(3) only)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>

Note: Disposal of dead animals must be approved by the Executive Secretary

IX. Facility Area

Facility Area.....	<u>21.3</u>	acres
Disposal Area.....	<u>12.0</u>	acres
Design Capacity		
Years.....	<u>20+</u>	
Cubic Yards.....	<u>300,000</u>	yards
Tons.....		

X. Fee and Application Documents

Indicate Documents Attached To This Application

<input checked="" type="checkbox"/> Facility Map or Maps	<input checked="" type="checkbox"/> Facility Legal Description	<input checked="" type="checkbox"/> Plan of Operation	<input checked="" type="checkbox"/> Waste Description
<input type="checkbox"/> Ground Water Report	<input checked="" type="checkbox"/> Closure Design	<input checked="" type="checkbox"/> Cost Estimates	<input checked="" type="checkbox"/> Financial

☐ Application Fee: Amount \$

Class VI Special Requirements

☐ Documents required by UCA 19-6-108(9) and (10)

I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.

Signature of Authorized Owner Representative

Matt Topeza

Title

VP

Date

12/10/03

Address

PO 12847

Name typed or printed

Signature of Authorized Land Owner Representative (if applicable)

(same as above)

Title

Date

Address

Name typed or printed

Signature of Authorized Operator Representative (if applicable)

Title

Date

Address

Name typed or printed

PART I - GENERAL DATA

This report (which includes the permit application, general data, general report, technical report, and appendices) is intended to meet the permit renewal requirements for a Class IVb Landfill operated by Advanced Paving and Construction in Marriott-Slaterville, Weber County, Utah. This report is submitted to:

Dennis R. Downs, Director
Division of Solid and Hazardous Waste
Utah Department of Environmental Quality
P.O. Box 144880
Salt Lake City, UT 84114-4880

GENERAL DATA

NAME OF FACILITY: Advanced Paving and Construction Landfill

SITE LOCATION: SW 1/4 , section 24, T6N, R2W

FACILITY OWNER: Weber Properties, L.L.C.

PROPERTY OWNER: Weber Properties, L.L.C.

FACILITY OPERATOR: Advanced Paving and Construction

CONTACT PERSON: Wilbert van der Stappen

Address: 1723 West 1350 South

Ogden, UT 84401

Telephone

(801) 731-7882

TYPE OF FACILITY:

XX Non-Commercial

 Commercial

 Initial Application

XX Permit Renewal

Original Permit Number 9810

PROPERTY OWNERSHIP:

____ Presently owned by applicant
____ To be purchased by applicant
XX To be leased by applicant

Property owner:

Name: Weber Properties, L.L.C.
Address: P.O. Box 12847
Ogden, UT 84412
Telephone: (801) 731-7882

CERTIFICATION OF SUBMITTED INFORMATION

Official: Matt Tafoya
Title: Vice President, Advanced Paving and Construction

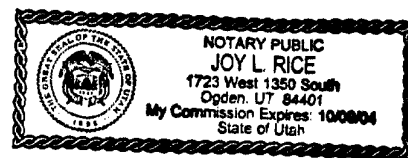
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Signature: Matt Tafoya Date: 12/10/03

SUBSCRIBED AND SWORN to before this 10th day of December, 2003.

My commission expires on the 10-09-04 day of _____, 20____.

Joy L. Rice
Notary Public in and for



Weber County, Utah

(SEAL)

PART II - GENERAL REPORT

1.0 INTRODUCTION

1.1 GENERAL DESCRIPTION OF FACILITY (R315-310- 3(1)(b))

The landfill facility is designed to accommodate construction/demolition waste, yard waste, and inert waste generated during operation of Advanced Paving and Construction's construction projects. The facility is used for both storage of recyclable materials and disposal of non-recyclable materials. The disposal site is divided into areas for stockpiling of recyclable materials, disposal of clean fill materials, and disposal of non-recyclable materials. See the attached maps and facility plans in Appendix A for an overview of the facility layout.

An area along the north side of the disposal area has been designated as a stockpile area for recyclable materials. Stockpiles have been established to allow the re-use of topsoil and asphalt paving material. The asphalt material is stored until needed and then crushed for use on construction projects.

Concrete and other clean fill (soil and rock) are used to fill the depression located near the center of the disposal area. This depression, which is currently partially filled with water, is a man-made feature that was created by past gravel mining operations on the site. As this area is filled and leveled, the stockpile area will be expanded southward.

An area along the west side of the disposal area is designated for disposal of non-recyclable material. This area receives waste that is not appropriate for re-use as roadway construction materials. Such materials may include but are not limited to: asphalt mixed with concrete, trees, signs, fencing material, etc.. This area is graded and covered with soil on an as-needed basis. Soil for cover material is obtained from stockpiles.

1.2 LEGAL DESCRIPTION OF THE FACILITY (R315-310- 3(1)(c))

Property Serial Number: 15-064-0041

Size: 21.25 acres

Legal Description dated 5/26/98:

Part of the southwest quarter of Section 24, Township 6 North, Range 2 West, Salt Lake Base and Meridian, U.S. Survey: beginning at a point 17.61 chains north and 231.84 feet

west from the southeast corner of said quarter section, running thence north 326.5 feet; thence North 32d30' West 513.51 feet; thence West 509.25 feet, thence South 26d30' West 33 feet, more or less, thence North 88d22' 38" West 701.53 feet; thence South 11d03' 39" East 659.08 feet, more or less, thence South 75d39'39" East 216.64 feet; thence South 71d09'39" East 80.40 feet; thence South 85d41'39" East 110.9 feet; thence North 89d34' 21" East 131.75 feet; thence east to the point of beginning. Together with right-of-way (1427-483)

1.3 LAND USE AGREEMENT (R315-310- 3(1)(c))

The landfill property is owned by Weber Properties, L.L.C.. Advanced Paving and Construction has been granted use of the property for a landfill by an agreement with Weber Properties, L.L.C.. Under the terms of this agreement, Advanced Paving and Construction has sole responsibility for the maintenance and operation of this facility. A copy of the agreement between Advanced Paving and Construction and Weber Properties, L.L.C. is included in Appendix B.

1.4 DEMONSTRATION THAT THE LANDFILL IS NOT A COMMERCIAL FACILITY

Advanced Paving and Construction uses this facility for its own use and does not intend to run this facility as a commercial landfill. Access to facility is controlled through two (2) locked gates. These gates are only open when Advanced Paving and Construction employees are present and access to the landfill area is required. Entry is further controlled by visual inspection, as vehicles must pass in front of the Advanced Paving and Construction office building to access the landfill area.

1.5 WASTE TYPE AND VOLUME (R315-310- 3(1)(d))

Waste stored and disposed of at this facility is construction/demolition waste, yard waste, and inert waste generated during the course of business for Advanced Paving and Construction. Accepted waste materials comply with R315-301-2(7) and may include, but are not limited to, soil, concrete, asphalt, fencing, building demolition, and metal (i.e.: rebar, steel beams, general building debris). The amount of waste delivered to the landfill in the year 2002 was 4,050 tons which is equivalent to approximately 2,250 cubic yard of waste material. It is anticipated that the amount of waste delivered to the site will increase in the future. Nearly all of the waste disposed in this landfill is generated from construction projects located within a 30-mile radius of the landfill site.

1.6 LOCATION STANDARDS (R315-310- 4(1))

This landfill is an existing facility and is not subject to the location standards given in R315-305-4 and R315-302-1.

2.0 PLAN OF OPERATION

2.1 SCHEDULE OF CONSTRUCTION (R315-302- 2(2)(a))

The landfill is an existing facility and all basic components of the facility have been constructed.

2.2 DESCRIPTION OF ON-SITE WASTE HANDLING PROCEDURES (R315-302- 2(2)(b) and R315-310- 3(1)(f))

This facility is open only to Advanced Paving and Construction employees and on-site waste handling is controlled through employee meetings. All employees are informed about which waste materials are acceptable for disposal and areas of the landfill are to receive specific types of waste material. Additionally, management personnel visit the landfill area on a regular basis to observe that proper storage and disposal procedures are being followed.

Volume of materials delivered to the landfill is tracked by means of a daily load count. A copy of the daily load count form is provided in Appendix C. Daily load count records are maintained for inspection at the office of Advanced Paving and Construction.

2.3 SCHEDULE OF INSPECTIONS AND MONITORING (R315-302-2(2)(c) and R315-310- 3(1)(g))

Inspections of the landfill facility are conducted not less than quarterly. The form used for recording observations made during inspection is provided in Appendix C. In addition to the quarterly inspections, management personnel regularly observe the facility to ensure that proper procedures are being followed. Any deviations from proper procedures are immediately corrected.

2.4 CONTINGENCY PLANS IN THE EVENT OF FIRE OR EXPLOSION (R315-302- 2(2)(d))

Risk of a fire or explosion at this landfill is minimized by not allowing decomposable waste such as household, restaurant, food processing, and commercial waste. Advanced Paving and Construction employees are prepared to provide immediate fire suppression in the event of a waste fire. Fire suppression will be accomplished by means of earth moving equipment when possible. If necessary, water may also be used to extinguish fires. The on-site pond is equipped with a portable 6-inch diameter pump that may be used to provide water for fire suppression. In the event of an uncontrolled fire or a fire that cannot be managed by on-site personnel, the Weber County Fire Department will be contacted. The Fire Department is located approximately 4 miles from the facility; estimated response time is 10 minutes. On arrival at the facility, Fire Department personnel will assume responsibility for fire abatement activities.

2.5 CORRECTIVE ACTION PROGRAMS FOR GROUND WATER CONTAMINATION (R315-302- 2(2)(e))

The possibility of ground water contamination is minimal because disposal of hazardous materials is not permitted at this facility. In the unlikely event that ground water does become contaminated, Advanced Paving and Construction will retain a qualified professional to define the extent of the problem, develop a plan for corrective action, and implement the plan. The Utah Division of Solid and Hazardous Waste will be notified if ground water contamination is observed or suspected.

2.6 CONTINGENCY PLANS FOR OTHER RELEASES (R315-302- 2(2)(f))

The possibility of releasing explosive gases from the landfill is minimal because disposal of decomposable waste is not permitted at this facility, and the materials that are accepted have very low potential for generating explosive gases. Failure of the runoff containment system is not a significant possibility because the site is graded to direct runoff towards the low point at the center of the facility. The low point of the facility is much lower than the surrounding area and this low area creates a storage volume that is many times the potential runoff volume for the facility.

Waste materials that are likely to be transported by the wind will be covered the day they are delivered to the site. The site will be frequently monitored for litter, and any litter that is observed will be collected and covered.

2.7 PLAN TO CONTROL FUGITIVE DUST AND COVERING OF WASTE (R315-302- 2(2)(F))

Travel on the access road to the waste disposal site has the highest potential for generating fugitive dust. To minimize dust, the road has been covered with roto-milled asphalt (1" minus asphalt, recycled from existing roadways). Roto-milled asphalt material covers the roadway and eliminates problems associated with dust. The roadway surface has also been covered with a chip and seal coat to further protect the road surface. Within the landfill area, water trucks are used to prevent dust problems by wetting the ground surface.

Waste piles are regularly pushed off with a bulldozer and covered with soil. As excavated soil is the most common type of material disposed of within this facility, material for covering the waste is readily available. Additionally, topsoil is being stockpiled which may be used in the future to cover the site for final closure. If necessary, dust control as waste piles are pushed off is accomplished using a water truck.

2.8 DESCRIPTION OF MAINTENANCE OF INSTALLED EQUIPMENT (R315-302- 2(2)h))

This facility does not contain a leachate collection system, gas collection system, groundwater monitoring equipment, or any other installed equipment.

2.9 PROCEDURES FOR EXCLUDING THE RECEIPT OF HAZARDOUS OR PCB CONTAINING WASTE (R315-302- 2(2)(I))

Hazardous materials or materials containing PCB's are excluded from this facility by limiting facility access for waste delivery to only Advanced Paving and Construction employees and allowing only materials from Advanced Paving and Construction's construction sites. Acceptable materials for disposal at the landfill facility are identified at the construction site. If any hazardous or otherwise unacceptable waste materials are identified on a construction site, they are properly disposed at a facility that is permitted to receive this waste. Hazardous waste materials identified on an Advanced Paving and Construction job site must be handled and delivered for disposal by either another contractor or the site owner. Advanced Paving and Construction does not have the certifications necessary to handle and haul hazardous wastes.

2.10 PROCEDURES FOR CONTROLLING DISEASE VECTORS (R315-302- 2(2)(j))

Controlling disease vectors is accomplished by eliminating the habitat attractive to rodents and by eliminating shallow pools of stagnant water that could serve as breeding grounds for insects. Non-recyclable wastes are regularly covered to eliminate potential nesting areas for rodents or other undesirable types of animal life. If areas of stagnant water are observed, these areas are graded to promote drainage. The pond used to contain runoff near the center of the facility is relatively deep and has not caused insect problems in the past.

2.11 PLAN FOR ALTERNATIVE WASTE HANDLING (R315-302- 2(2)(k))

Conditions that would prevent this facility from accepting waste are unlikely because there is no permanent equipment on-site. Equipment necessary for grading, covering, and processing waste material is brought to the site as needed. This equipment could be rented from a number of sources if breakdowns were to occur. If a condition preventing the facility from accepting waste does occur, waste would be taken to another acceptable facility. Moulding and Sons Sand and Gravel, which is located nearby, is a potential alternate location for waste disposal.

2.12 GENERAL TRAINING AND SAFETY PLAN FOR SITE OPERATIONS (R315-302- 2(2)(n))

Safety and operation of this facility is covered under the Safety Plan of Advanced Paving and Construction. Training for Advanced Paving and Construction employees will also include the contents of this document.

2.13 RECYCLING PROGRAM (R315-302- 2(2)(n))

The facility is used for both storage of recyclable materials and disposal of non-recyclable materials. Recyclable materials delivered to the site include soil and asphalt paving materials. An area along the north side of the disposal area has been designated as a stockpile area for recyclable materials. The asphalt material is stored until needed and then crushed for use as roadway construction material.

PART III TECHNICAL REPORT

3.0 MAPS

See the attached maps in Appendix A.

4.0 ENGINEERING REPORT

4.1 CELL DESIGN AND FILL METHODS (R315-310- 3(1)(b))

This facility is located on property parcel that is just over 21 acres. The waste disposal site occupies approximately 12 acres of the parcel. The disposal site is divided into areas for stockpiling of recyclable materials, disposal of clean fill materials, and disposal of non-recyclable materials. See the attached drawings and facility plans for an overview of the facility layout.

An area along the north side of the disposal area has been designated as a stockpile area for recyclable materials. Stockpiles have been established to allow the re-use of topsoil and asphalt paving material. The asphalt material is stored until needed and then crushed for use on construction projects.

Concrete and other clean fill (soil and rock) are used to fill the depression located near the center of the disposal area. This depression, which is currently partially filled with water, is a man-made feature that was created by past gravel mining operations on the site. As this area is filled and leveled, the stockpile area will be expanded southward.

4.2 DESIGN AND LOCATION OF RUN-ON AND RUN-OFF CONTROL SYSTEMS (R315-310-5(2)(b))

The landfill is located on a site that was previously mined for gravel. Prior to mining operations, the natural ground surface for most of the site was higher than the surrounding area. Gravel mining operations excavated a large depression near the center of the property. The resulting topography prohibits run-on drainage to the site and directs nearly all of the on-site drainage to the depression near the center of the facility. With the exception of the undisturbed area along the Weber River at the south and west edges of

the property, the drainage for the entire site is directed toward the depression near the center of the landfill site. This depression functions as a storm water retention area. The existing drainage pattern will be maintained by grading as waste materials are placed at the site. Drainage ditches and channels will be created if necessary to maintain the desired drainage pattern.

A potential runoff volume of 1.3 acre-feet for the 25-year, 24-hour storm event was calculated using the National Resource Conservation Service (NRCS) curve number methodology for the area tributary to storm water retention area. Calculations are provided in Appendix D. The existing storm water retention area has storage volume greater than 2 acre-feet. As the existing depression is filled, the landfill area will be graded so a storm water retention volume of at least 1.3 acre-feet is maintained. When the landfill approaches capacity the storm water retention area will be moved to the north and east edges of the disposal site. The required retention volume will decrease to 0.25 acre-feet for the 25-year, 24-hour storm event when the final closure is constructed and vegetation is established on the landfill area.

5.0 CLOSURE PLAN

5.1 CLOSURE SCHEDULE (R315-310- 4(2)(d)(i))

It is anticipated that with proper management and continued recycling of asphalt material, this landfill may be operated in excess of 20 years. The disposal area of the landfill is approximately 12 acres. At a final elevation that is an average of approximately 15 feet above the existing ground surface, this site could receive approximately 300,000 cubic yards of material. At this time the landfill is approximately 20% full, leaving approximately 240,000 cubic yards of available capacity. In the year 2002, the landfill received approximately 4,050 tons or 2,250 cubic yard of waste material. If delivery of waste material to the site continues at this rate, the landfill will require over a century to fill. However, it is likely that Advanced Paving and Construction's business will continue to grow and the rate of material coming into the site will increase. If the amount of material brought to the site for disposal increases to an average of 10,000 cubic yards per year or approximately 18,000 tons per year, the landfill will reach its design capacity in approximately 24 years.

5.2 DESIGN OF FINAL CLOSURE (R315-310- 4(2)(c)(iii) and R315-305-5(5))

At final closure, the landfill will be closed as per applicable requirements with the State of Utah, Weber County, and Marriott-Slaterville City. Prior to placing the final cover layer, the site will be graded and leveled to create a smoothly contoured area. The landfill cover will consist of a layer of clean soil at least 2 feet thick over the top of the waste. Excess soil excavated from Advanced Paving and Construction's construction projects is a large portion of the material delivered to this landfill, and the cover material will be obtained from the soil delivered to the landfill. The 2-foot thick layer will include an upper layer of topsoil at least 6 inches thick. Topsoil will be stockpiled on site for future use during closure. The final cover will be seeded with shallow rooted vegetation and a seed mix similar to native grasses. The proposed seed mix is shown on the attached drawing in Appendix A.

Final grading contours and a typical cross section are shown on the attached drawing. The elevation of the final cover is an average of approximately 15 feet above the existing ground surface.

Advanced Paving and Construction is planning to use the landfill area for a future facility after landfill closure. The proposed facility will process roadway construction materials. A conceptual level design for this future facility is shown on the attached drawings.

5.3 CAPACITY OF SITE IN VOLUME AND TONNAGE (R315-310-4(2)(d)(ii))

The waste disposal area for the landfill is approximately 12 acres. At a final elevation averaging a little more than 15 feet above the existing ground elevation, the landfill could accommodate approximately 300,000 cubic yards of material. At an average weight of 1.8 tons per cubic yard, 300,000 cubic yards equates to 540,000 tons. It is estimated that the landfill is currently 20% filled, which leaves 240,000 cubic yards or 430,000 tons of available capacity.

5.4 FINAL INSPECTION BY REGULATORY AGENCIES (R315-310-4(2)(d)(iii))

Final closure of facility will be conducted as per regulation R315-302-3(4)). This will include notification to the Executive Secretary that closure of this facility is intended as well as notification and appropriate documentation that closure has been completed. Notification will also be given to any other agency entity as may be directed (i.e. Weber County Environmental Health Department, Marriott-Slaterville City).

6.0 POST-CLOSURE CARE PLAN (R315-310-3(1)(h))

6.1 SITE MONITORING (R315-310- 4(2)(e))

Groundwater and surface water monitoring and site monitoring for landfill gases are not required for a Class IVb landfill. Site monitoring associated with maintenance of cover material, vegetation, and runoff control facilities are discussed in Section 6.3.

6.2 CHANGES TO RECORD OF TITLE, LAND USE, AND ZONING RESTRICTIONS (R315-310- 4(2)(e)(ii))

Upon closure, "plats and a statement of fact" concerning this facility will be recorded as a part of the record of title with the Weber County Recorder. At the time of closure a determination will be made if changes to the title, land use and zoning are required. If such action is deemed necessary, steps will be taken to assure proper compliance with appropriate regulations.

6.3 MAINTENANCE ACTIVITIES TO MAINTAIN COVER AND RUN-ON/RUN-OFF CONTROL SYSTEMS (R315-310- 4(2)(e)(iii))

Maintenance activities to maintain the cover and runoff control systems will include semi-annual inspections to assess the condition of the landfill cover material, vegetation, and runoff control facilities. Any areas of erosion or significant settlement will be repaired and the area re-seeded. Maintenance of the runoff control facilities may include cleaning out the retention areas to maintain sufficient storage volume. Due to the topography of the site, run-on control facilities are not needed.

6.4 POST CLOSURE CARE – CONTACT PERSON OR OFFICE (R315-310-4(2)(e)(iv))

Any questions or concern during the post-closure care period should be directed to:

Advanced Paving and Construction
1723 West 1350 South
P.O. Box 12847
Ogden, Utah 84412
Telephone (801) 731-7882

7.0 FINANCIAL ASSURANCE

7.1 CLOSURE COSTS (R315-310- 4(2)(d)(iv))

Closure costs for this facility have been estimated to be \$ 23,814.00. This cost includes the cost to complete necessary engineering requirements, place topsoil, and seed the landfill area. Closure costs are guaranteed by means of a surety bond.

**TABLE 7-1. COST ESTIMATE FOR CLOSURE CONSTRUCTION
ADVANCED PAVING AND CONSTRUCTION CLASS IV LANDFILL**

Item	Unit	\$/Unit	#Units	Cost
1. Topographic Survey	L.S.	\$ 2,300.00	1	\$ 2,300.00
2. Contract Admin., Bidding/Award	L.S.	\$ 1,500.00	1	\$ 1,500.00
3. Project Management/CQA	L.S.	\$ 1,000.00	1	\$ 1,000.00
Engineering Subtotal				\$ 4,800.00
4. Topsoil Placement	Cu.Yd.	\$ 1.00	6,000	\$ 6,000.00
5. Revegetation	Acre	\$ 800.00	8	\$ 6,400.00
Construction Subtotal				\$12,400.00
6. 10% Contingency Fee		10% Total		\$1,700.00
7. 1% Performance Bond		1% Total		\$ 189.00
8. Legal Fees		25% Total		\$4,725.00
Total				\$23,814.00

7.2 POST-CLOSURE CARE COSTS (R315-310- 4(2)(e)(iv))

Post-closure care for this facility will include an semi-annual inspection of the facility for the duration of the post-closure period (30 years). The semi-annual inspection will be used to identify any areas of deficiency, which may need correction. Correction activities may include, but are not limited to, filling significant areas of settlement, fence/gate repair, maintenance of run-on/run-off control facilities.

**TABLE 7-2. POST-CLOSURE CARE
ADVANCED PAVING AND CONSTRUCTION CLASS IVB LANDFILL**

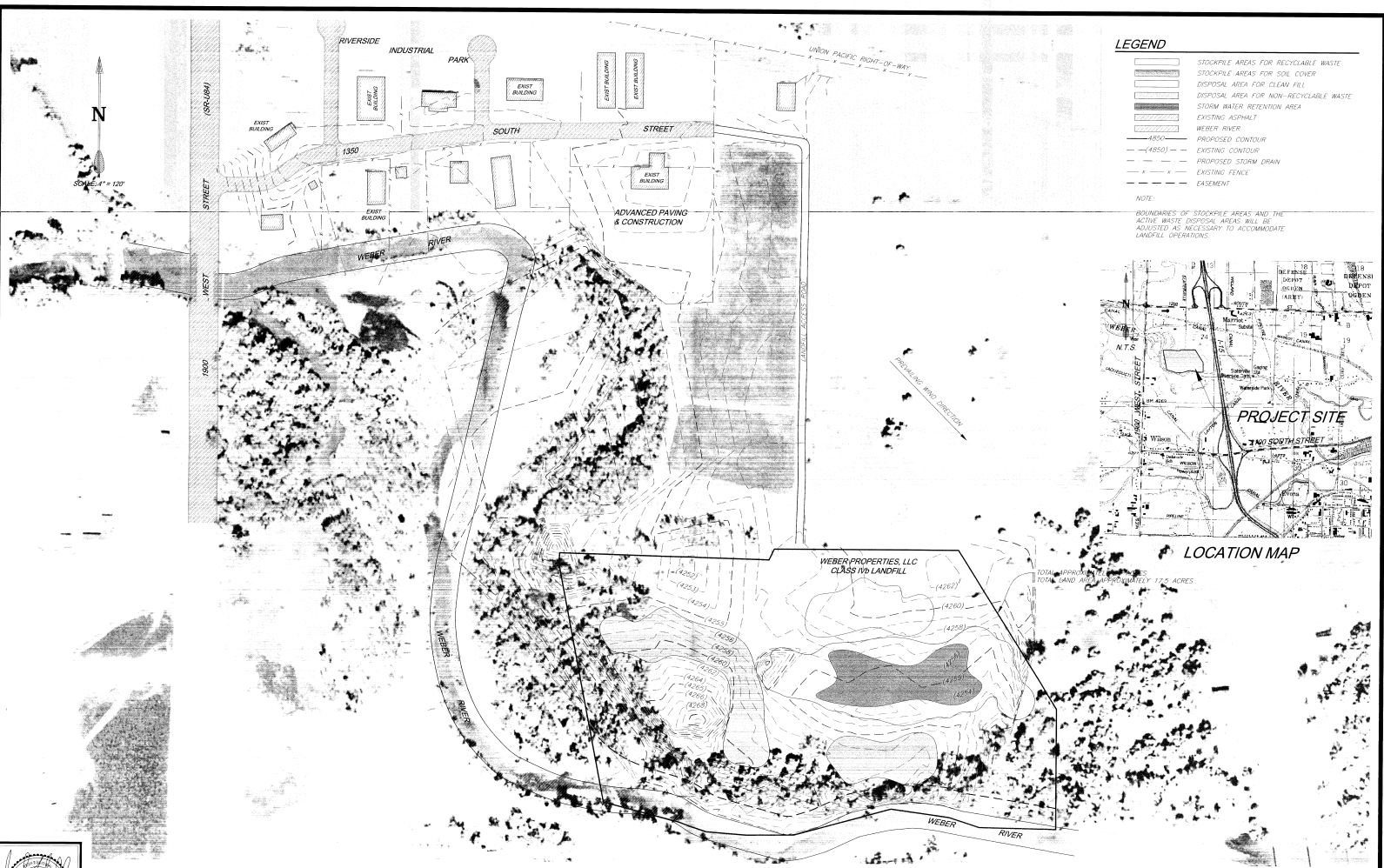
Item	Unit	\$/Unit	#Units	Cost
Semi-Annual Inspection	Hr	\$ 30.00	40	\$ 1,200.00
Furnish/place Topsoil	Cu.Yd.	\$ 10.00	100	\$ 1,000.00
Total				\$ 2,200.00

Post-closure care costs will be included in the surety bonding for closure costs.

7.3 FINANCIAL ASSURANCE (R315-309-1(1))

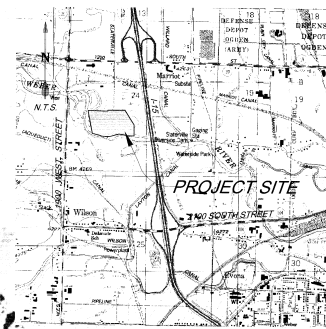
Advanced Paving and Construction has obtained a Solid Waste Permitting and Management Bond as approved by the Utah Division of Solid and Hazardous Waste. Safeco Insurance Company of America is the underwriter of this bond. A copy of the bond is included in Appendix C.

APPENDIX A
MAPS AND DRAWINGS



- LEGEND**
- STOCKPILE AREAS FOR RECYCLABLE WASTE
 - STOCKPILE AREAS FOR SOIL COVER
 - DISPOSAL AREA FOR CLEAN FILL
 - DISPOSAL AREA FOR NON-RECYCLABLE WASTE
 - STORM WATER RETENTION AREA
 - EXISTING ASPHALT
 - WEBER RIVER
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - PROPOSED STORM DRAIN
 - EXISTING FENCE
 - EASEMENT

NOTE:
BOUNDARIES OF STOCKPILE AREAS AND THE
ACTIVE WASTE DISPOSAL AREAS WILL BE
ADJUSTED AS NECESSARY TO ACCOMMODATE
LANDFILL OPERATIONS.



LOCATION MAP



WASATCH CIVIL
Consulting Engineering
3320 SOUTH 1950 WEST, SUITE 1
RIV. CITY, UTAH 84601 (801) 775-2191

REV.	DATE	BY	APP.

DESIGNED: M.M. DATE: DEC. 2, 2003
DRAWN: G.B.D. SCALE: 1" = 120'
CHECKED: J.D.B.

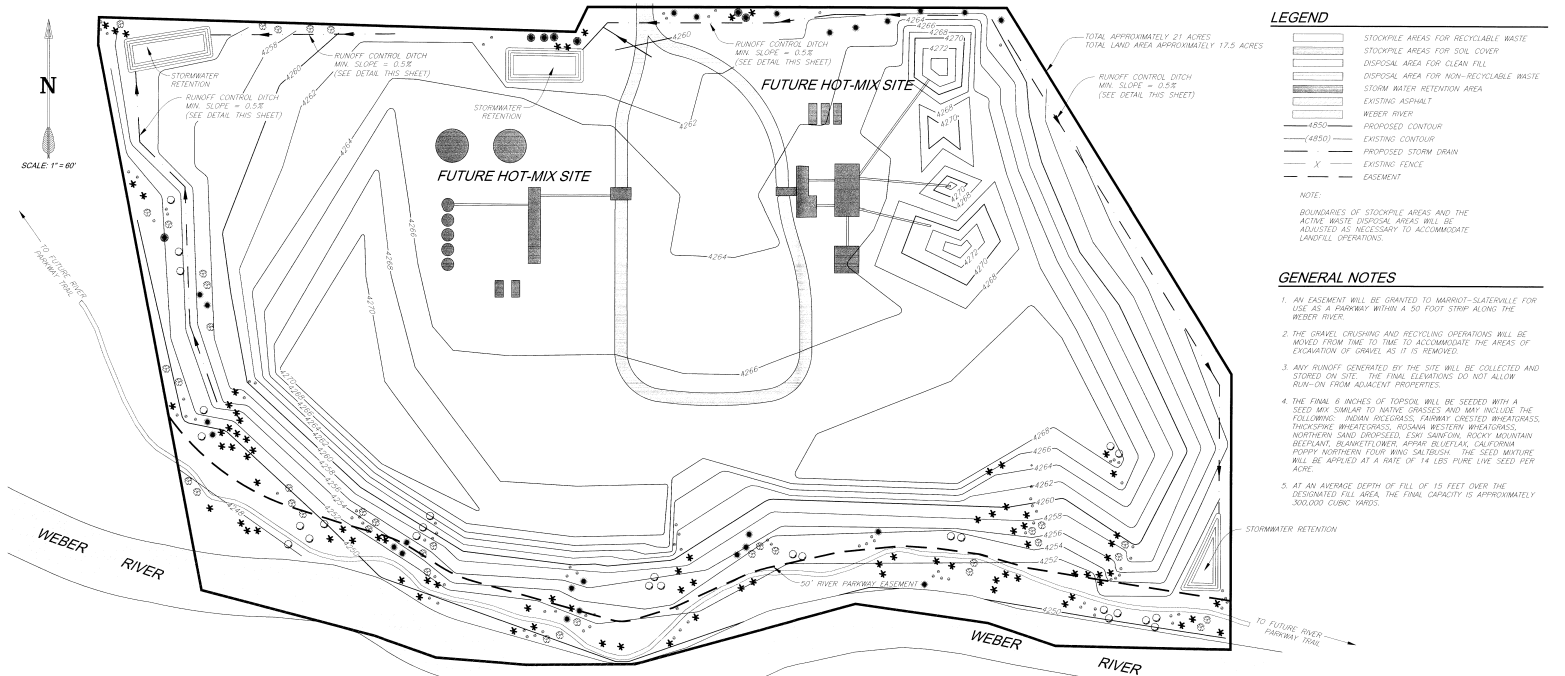
**ADVANCED PAVING
& CONSTRUCTION**

SITE PLAN & LAND USE

SHEET
1
OF 2 SHEETS



SCALE: 1" = 60'



LEGEND

- STOCKPILE AREAS FOR RECYCLABLE WASTE
- STOCKPILE AREAS FOR SOIL COVER
- DISPOSAL AREA FOR CLEAN FILL
- DISPOSAL AREA FOR NON-RECYCLABLE WASTE
- STORM WATER RETENTION AREA
- EXISTING ASPHALT
- WEBER RIVER
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED STORM DRAIN
- EXISTING FENCE
- EASEMENT

NOTE:

BOUNDARIES OF STOCKPILE AREAS AND THE ACTIVE WASTE DISPOSAL AREAS WILL BE ADJUSTED AS NECESSARY TO ACCOMMODATE LANDFILL OPERATIONS.

GENERAL NOTES

1. AN EASEMENT WILL BE GRANTED TO MARRIOTT-SLATERVILLE FOR USE AS A PARKWAY WITHIN A 50 FOOT STRIP ALONG THE WEBER RIVER.
2. THE GRAVEL CRUSHING AND RECYCLING OPERATIONS WILL BE MOVED FROM TIME TO TIME TO ACCOMMODATE THE AREAS OF EROSION/CONTROL OF GRAVEL AS IT IS REMOVED.
3. ANY RUNOFF GENERATED BY THE SITE WILL BE COLLECTED AND STORED ON SITE. THE FINAL ELEVATIONS DO NOT ALLOW RUN-ON FROM ADJACENT PROPERTIES.
4. THE FINAL 6 INCHES OF TOPSOIL WILL BE SEEDED WITH A SEED MIX SIMILAR TO NATIVE GRASSES AND MAY INCLUDE THE FOLLOWING: INDIAN BLUEGRASS, FAIRWAY ERECTED WHEATGRASS, THICKSPICE WHEATGRASS, ROSA WHEATGRASS, NORTHERN SAND DROPSSEED, EAST SANDWICH, ROCKY MOUNTAIN BEEFLANT, BEANSTICKLE, APPALACHIAN BLUEGRASS, CALIFORNIA POPPY, NORTHERN FOUR WING SALSOLIA. THE SEED MIXTURE WILL BE APPLIED AT A RATE OF 14 LBS PURE LIVE SEED PER ACRE.
5. AT AN AVERAGE DEPTH OF FILL OF 15 FEET OVER THE DESIGNATED FILL AREA THE FINAL CAPACITY IS APPROXIMATELY 300,000 CUBIC YARDS.

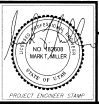
6 INCHES IMPORTED TOPSOIL
18 INCHES NATIVE AND IMPORTED SOIL
15 FOOT AVERAGE DEPTH CONSTRUCTION AND DEMOLITION WASTE

TYPICAL CROSS SECTION

N.T.S.

RUNOFF CONTROL DITCH CROSS SECTION

SCALE: 1" = 1'



WASATCH CIVIL
Consulting Engineering
5307 SOUTH 1950 WEST, SUITE 1
ROXY CITY, UTAH 84607 (801) 775-8191

REV.	DATE	APP.

DESIGNED	M.M.	DATE	DEC 2, 2003
DRAWN	G.B.D.	SCALE	1" = 60'
CHECKED	J.D.R.		

**ADVANCED PAVING
& CONSTRUCTION**

FINAL CLOSURE

SHEET
2
OF 2 SHEETS

APPENDIX B
DOCUMENTS

UTAH SOLID AND HAZARDOUS WASTE CONTROL BOARD

SOLID WASTE PERMIT

CLASS IVb LANDFILL

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Utah Code Annotated (UCA) 1953, as amended (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code (UAC) R315-301 through 320 (the Solid Waste Rules) adopted thereunder,

Advanced Paving and Construction

is hereby authorized to operate the **Advanced Paving and Construction Class IVb Landfill** in the Southwest 1/4 of Section 24, Township 6 North, Range 2 West, Salt Lake Base and Meridian, West Haven, Weber County, Utah as specifically described and shown in the permit application.

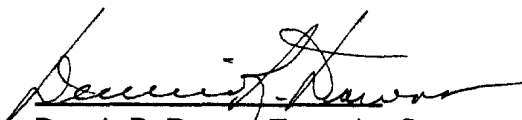
The operation of the landfill is subject to the condition that Advanced Paving and Construction (the Permittee) meet the requirements set forth herein.

All references to UAC R315-301 through 320 are to regulations that are in effect on the date that this permit becomes effective.

This permit shall become effective 1 December 1998.

This permit shall expire at midnight 30 November 2003.

Signed this 12 day of November, 1998.


Dennis R. Downs, Executive Secretary
Utah Solid and Hazardous Waste Control Board

March 23, 1995

Weber Properties, L.L.C.
P O Box 12847
Ogden, Utah 84412-2847

Advanced Paving and Construction
1723 W 1350 S
Ogden, Utah 84401

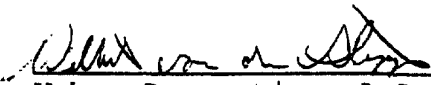
Subject: Letter agreement

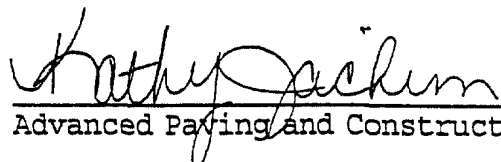
The purpose of this letter is to reduce to writing the agreement between Weber Properties, a Utah L.L.C., and Advanced Paving and Construction, Inc., a Corporation doing business in Utah.

It is understood and acknowledged that Weber Properties owns a material pit, located in Ogden City. Weber Properties does herewith grant to Advanced Paving and Construction exclusive rights to use this material pit, both to withdraw material from the pit and to fill areas of the pit with materials as a dump. The use of the pit is done in accordance with the laws of the state of Utah, as the pit has been designated as an acceptable area for dumping cement, asphalt materials and earth materials.

Advanced Paving and Construction, Inc. does hereby warrant the use of the pit and surroundings are in accordance with local, state and federal laws and will hold Weber Properties, L.L.C. harmless of any claims arising from their use of this property. For their use of this property, Advanced Paving and Construction, Inc. agrees to pay to Weber Properties L.L.C. a royalty of 7⁰⁰ per cubic yard of material withdrawn from the pit and will pay a royalty of 25⁰⁰ per load dumped into the pit.

The terms of this agreement are from October 1, 1994, for a period of ten years, to October 1, 2004, with the understanding that the royalty rate will be re-negotiated annually and will be arrived at a mutual agreement of both parties. If this royalty agreement is not mutually agreed upon, it will constitute cancellation of the agreement.


Weber Properties, L.L.C.


Advanced Paving and Construction

Platted ☐ Verified ☐
Entered ☐ Microfilmed ☐

(DO NOT WRITE ABOVE THIS LINE)

QUIT CLAIM DEED

DON S. JOHNSON, KENNETH M. NIMORI DBA JOHNSON AND NIMORI PROPERTIES
of OGDEN, UTAH County of WEBER
hereby QUIT CLAIMS to

GRANTOR(S)
State of Utah

WEBER PROPERTIES L.C.

of OGDEN, UTAH County of WEBER GRantee(S)
for the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATION----- Dollars (\$10.00)
the following described tract(s) of land in Weber County, State of Utah:

PART OF THE SOUTHWEST QUARTER OF SECTION 24, T6N, R2 W, SLB & M, U.S. SURVEY:
BEGINNING AT A POINT 17.61 CHAINS NORTH AND 3.24 CHAINS WEST FROM THE
SOUTHEAST CORNER OF SAID QUARTER SECTION, AND RUNNING THENCE NORTH 5 CHAINS,
THENCE NORTH 32 1/2D WEST 8.68 CHAINS, THENCE WEST .75 CHAIN (IN SECTION)
THENCE NORTH 12 1/2D WEST 6.94 CHAINS, THENCE WEST 4.40 CHAINS, THENCE SOUTH
1D 4.39 CHAINS, THENCE SOUTH 3 CHAINS, THENCE NORTH 79 1/2D EAST 3.10 CHAINS,
THENCE SOUTH 50D EAST 2.7 CHAINS, THENCE SOUTH 6 CHAINS, THENCE SOUTH 8 1/2D
EAST 5 CHAINS, THENCE EAST 5.76 CHAINS TO THE PLACE OF BEGINNING.

CONTAINS 12.59 ACRES, MORE OR LESS

WITNESS the hands of said Grantors this

day of A. D. 19

Don S. Johnson
Kenneth M. Nimori

Don S. Johnson
Kenneth M. Nimori

NOTARY SEAL

State of Utah } ss. On the 23rd day of November, A. D. 1994
County of Weber }

personally appeared before me *Kenneth Nimori*
Don S. Johnson

the signer(s) of
executed the same.



CATHERINE M. JACHIM
1723 West 1500 South
Ogden, UT 84403
My Commission Expires 12/31/95

Residing at:

acknowledged to me that he

acknowledged to me that he

acknowledged to me that he

acknowledged to me that he

acknowledged to me that he

MAIL DEED TO: PLATTED & VERIFIED ☒
ENTERED & MICROFILMED ☒
15-064-0004 (15-064-0029)
15-064-0004 - CLAIMS-

MAIL TAX NOTICE TO:
E# 1328623 BK 1743 PG 2437
DOUG CROFTS, WEBER COUNTY RECORDER
12-JAN-95 903 AM FEE \$10.00 DEF MH
REC FOR: DON S. JOHNSON

Platted ☐ Verified ☐
Entered ☐ Microfilmed ☐

(DO NOT WRITE ABOVE THIS LINE)

QUIT CLAIM DEED

DON S. JOHNSON, KENNETH M. NIMORI DBA JOHNSON AND NIMORI PROPERTIES GRANTOR(S)
of OGDEN, UTAH County of WEBER State of Utah
hereby QUIT CLAIMS to

WEBER PROPERTIES L.C.

of OGDEN, UTAH County of WEBER GRANTEE(S)
for the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATION----- Dollars (\$ 10.00)
the following described tract(s) of land in Weber County, State of Utah:

A PART OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 6 NORTH, RANGE 2 WEST,
SALT LAKE BASE AND MERIDIAN, U.S. SURVEY:
BEGINNING AT A POINT 2553.73 FEET SOUTH 1° 10' 21" WEST (STATE PLANE GRID
BEARING) AND 1698 FEET NORTH 89° 14' 19" EAST A LONG THE QUARTER SECTION
LINE AND 742.44 FEET SOUTH FROM THE NORTHWEST CORNER OF SAID SECTION 24;
RUNNING THENCE SOUTH 79° 56' 21" WEST 59.40 FEET; THENCE SOUTH 26° 46' 21"
WEST 66.00 FEET; THENCE SOUTH 11° 26' 21" WEST 330.00 FEET; THENCE SOUTH
35° 33' 39" EAST 239.58 FEET; THENCE SOUTH 13° 26' 21" WEST 118.80 FEET; THENCE
SOUTH 22° 56' 21" WEST 11.66 FEET TO A POINT GIVEN AS THE SOUTHWEST CORNER
OF THE WESLEY DEVRIES AND WIFE PROPERTY; THENCE SOUTH 89° 34' 21" WEST 131.75
FEET; THENCE NORTH 85° 41' 39" WEST 110.90 FEET; THENCE NORTH 71° 09' 39" WEST 80.40
FEET; THENCE NORTH 75° 39' 39" WEST 216.64 FEET; THENCE NORTH 11° 03' 39" WEST
659.08 FEET MORE OR LESS; THENCE SOUTH 88° 22' 38" EAST 701.53 FEET TO THE
POINT OF BEGINNING.

CONTAINS 8.66 ACRES, MORE OR LESS

WITNESS the hands of said Grantors this

day of A. D. 19

Don S. Johnson
Kenneth Nimori

Don S. Johnson

Kenneth Nimori

NOTARY SEAL

State of Utah
County of Weber

ss. On the 23 day of November A. D. 1994

personally appeared before me *Kenneth Nimori*
Don S. Johnson

the signer(s) of
executed the same



acknowledged to me that he
Don S. Johnson

Residing at:

Commission expires:

MAIL DEED TO:

PLATTED BY VERIFIED ☒
ENTERED BY MICROFILMED ☐

MAIL TAX NOTICE

1328624 BK1743 PG2438
DOUG CROFTS, WEBER COUNTY RECORDER
12-JAN-95 904 AM FEE \$10.00 DEP MH
REC FOR: DON.S. JOHNSON

15-064-0040



Weber County, Utah
2380 Washington Blvd Ogden, UT 84401

Parcel Information

Serial Number 15 -064 -0041

Ownership Information

Owner WEBER PROPERTIES L C *

Property Address

Mailing Address P O BOX 12847
OGDEN UT 84412

Tax Unit 361

Description Land	Year Built	Size
		21.25 Acres

Tax Information

Tax Year 2003

BE AWARE: The tax information on this page, including the "Balance" due amount reflects the status of this land serial number at the end of the tax year listed above. Each tax year's information is kept the same or "frozen" to help illustrate what the status of the taxes were at the end of that particular tax year. Payments on any "balance" due or delinquency amounts will show on the delinquency screens. *Ownership info is also shown for the tax year listed above, to view current owner information please use the [Geo-Gizmo](#).

NOTICE: All tax information for the current year will be completely posted by mid-October. Before mid-October though, the current year tax page will reflect some tax information as it becomes available during the year.

Loan Company: None

Today's Date: 11/7/2003

Market	Taxable	Rate
\$531,250.00	\$531,250.00	x 0.011803
Net Assessment Charge		\$6,270.34
Total Direct		\$0.00
Penalty Charge		\$0.00
Sub Total		\$6,270.34
Total Payments		\$0.00
Balance		\$6,270.34

Property Values

Clst	Property Type	Taxable	Market
030	COMMERCIAL LAND	\$531,250.00	\$531,250.00
Total Values:		\$531,250.00	\$531,250.00

Direct Charges

Type	Description	Amount
------	-------------	--------

Payments

Pay Date	Ein	Run	Rec#	L#	Received From	Amount	Status
----------	-----	-----	------	----	---------------	--------	--------

Legal Description

Description Date/Year: 5/26/1998 1998

PART OF THE SOUTHWEST QUARTER OF SECTION 24, TOWNSHIP 6 NORTH,
RANGE 2 WEST, SALT LAKE BASE AND MERIDIAN, U.S. SURVEY:
BEGINNING AT A POINT 17.61 CHAINS NORTH AND 231.84 FEET
WEST FROM THE SOUTHEAST CORNER OF SAID QUARTER SECTION,
RUNNING THENCE NORTH 326.5 FEET; THENCE NORTH 32D30' WEST
513.51 FEET; THENCE WEST 509.25 FEET; THENCE SOUTH 26D30'
WEST 33 FEET, MORE OR LESS, THENCE NORTH 88D22'38" WEST
701.53 FEET; THENCE SOUTH 11D03'39" EAST 659.08 FEET, MORE
OR LESS, THENCE SOUTH 75D39'39" EAST 216.64 FEET; THENCE
SOUTH 71D09'39" EAST 80.40 FEET; THENCE SOUTH 85D41'39"
EAST 110.90 FEET; THENCE NORTH 89D34'21" EAST 131.75 FEET;
THENCE EAST TO THE POINT OF BEGINNING.
TOGETHER WITH RIGHT OF WAY (1427-483)

Solid Waste Permitting and Management
Closure and Post-Closure Care Bond
Utah Administrative Code R315-309-3(4)

Bond Amount \$ 25,714.00

Bond No. 5902674

KNOWN BY THESE PRESENTS:

That we Advanced Paving & Construction, Inc. (Principal)

of the County of Weber State of Utah

as principal and SAFECO Insurance Company of America (Surety)
as a corporation, duly organized and doing business under and by virtue of the laws of the
State of Washington and authorized to do business in the State of Utah, and duly licensed for
the purpose of making, guaranteeing, and becoming sole surety upon bonds required or
authorized by the laws of the State of Utah, as surety, and held and firmly bound unto the State
of Utah, Solid and Hazardous Waste Control Board, 288 North 1460 West, Salt Lake City,
Utah 84114-4880, to perform closure and post-closure activities as required in permit #9810 to
a maximum sum of Twenty-Five Thousand Seven Hundred Fourteen & No/100**, lawful
money of the United States of America we bind ourselves, our heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that,

WHEREAS, the above named Principal has made application to the State of Utah, Solid and
Hazardous Waste Control Board for the issuance of a permit to operate a Class IVb Landfill
under the authority of the State of Utah Solid and Hazardous Waste Act, and

WHEREAS, the Utah Solid and Hazardous Waste Control Board, with authority, has enacted
rules, Utah Administrative Code (UAC) R315-301 through 320, regulating the operation of
landfills.

WHEREAS, Under the terms of said rules a cash or corporate surety bond in the sum
of Twenty-Five Thousand Seven Hundred Fourteen & No/100** is required of said
Principal and a responsible surety as financial assurance for closure and post-closure care
costs of said landfill. Said bond is conditioned upon the faithful and proper compliance with
all of the terms, conditions, provisions, requirements, and specifications of landfill closure and
post-closure care contained in said landfill permit, UAC R315-302-2, and UAC R315-305-
5(5), not to exceed the bond penalty amount hereof,

Now, therefore, if the above bound principal shall fully comply with the above stated
provisions for closure and post-closure care of said Class IVb Landfill, then this obligation
shall be null and void, otherwise to remain in full force and effect.

Page 2 of Solid Waste Permitting and Management Bond
Closure and Post-Closure Care Bond

This bond may be increased by rider or other means as necessary, with consent of the Surety, to equal the amount as established by the annual up-date of the cost estimate for closure and post-closure care as required by UAC R315-309-2(3) and (4) for said Class IVb Landfill.

The duration of this bond shall be from the time same is filed with the State of Utah until such time as the State of Utah may cancel the same or release the Surety from all liability.

The Surety may cancel this bond by giving the State of Utah 120 days written notice addressed to the State of Utah, Solid and Hazardous Waste Control Board. Upon cancellation of this bond, the State of Utah shall release the surety from all liability.

In the event of default by the Principal of any of the prior stated provisions and conditions of closure and post-closure care of said Class IVb Landfill, the Surety shall conduct or cause to be conducted closure and post-closure activities as required in permit #9810, or deposit an amount not to exceed the penal amount of this bond to an account administered by the Executive Secretary of Utah Solid and Hazardous Waste Board. Upon the completion of the required activities, not to exceed the penal amount of this bond, this obligation of the Surety shall terminate.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several hands and seals this 4th day of November, 1998, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Seal)

Advanced Paving & Construction, Inc. (Principal)

by _____ Title PRESIDENT

(Seal)

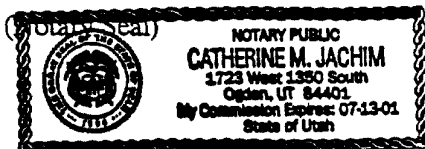
SAFECO Insurance Company of America(Surety)

by James W. Brown Attorney-in-Fact

State of UTAH

County of WEBER

On this 5th day of November, 1998, appeared before me Wilbert VanderStappen
President (Title) of Advanced Paving & Construction, Inc.
who acknowledges to me he/she executed the same on behalf of
Advanced Paving & Construction.



Catherine M. Jachim Notary Public

My Commission Expires: 7-13-01

Note: The person signing for the Surety shall attach a certified copy of the power of attorney form to this instrument.



POWER
OF ATTORNEY

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

No. 7511

KNOW ALL BY THESE PRESENTS:

The **SAFECO INSURANCE COMPANY OF AMERICA** and **GENERAL INSURANCE COMPANY OF AMERICA**, each a Washington corporation, does each hereby appoint
*****RICHARD DAWN; KEVIN W. ANDREWS; JAMES W. BROWN; GEORGIA TORRES; MICHAEL H. GALE; RANDY C. EMERY; JAYNE R. ANDREWS; VIKKI PESCI; CHRIS LUND; LINDA J. KESTI; BECKY SLIVAN; EILEEN R. MURDOCK; Provo, Utah*****

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, **SAFECO INSURANCE COMPANY OF AMERICA** and **GENERAL INSURANCE COMPANY OF AMERICA** have each executed and attested these presents

this 21 day of July, 19 97.

CERTIFICATE

Extract from the By-Laws of **SAFECO INSURANCE COMPANY OF AMERICA**
and of **GENERAL INSURANCE COMPANY OF AMERICA**:

"Article V, Section 13. - FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of **SAFECO INSURANCE COMPANY OF AMERICA**
and of **GENERAL INSURANCE COMPANY OF AMERICA** adopted July 28, 1970.

"C any certificate executed by the Secretary or an assistant secretary of the Company setting out,
(i) The provisions of Article V, Section 13 of the By-Laws, and
(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
(iii) Certifying that said power-of-attorney appointment is in full force and effect,
the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, R. A. Pierson, Secretary of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA**, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 4th day of November, 19 98.

APPENDIX C FORMS

ADVANCED PAVING AND CONSTRUCTION CLASS IVB LANDFILL

INSPECTION REPORT

DATE: _____

INSPECTOR: _____

	Satisfactory	Unsatisfactory
• Water Run-on/Run-off:	_____	_____
• Fencelines/Gates	_____	_____
• Waste Handling	_____	_____

Corrective Action Required:

Date Corrective Action Completed: _____

Comments:

Signature: _____

Week Ending	Dump	Pit Run		Week Ending	Dump	Pit Run
Total				Total		

APPENDIX D

STORM WATER RUNOFF CALCULATIONS



PROJECT Advanced Paving SHEET NO. 1 OF 3
DESCRIPTION Landfill Permit PROJECT NO. _____
CALC. BY JOB DATE 11/11/03 CHKD. BY _____ DATE _____

- Calculate the runoff volume for the 25-year and 100-year 24-hour storm event using the NRCS Curve Number Methodology

Precipitation: Reference: Estimated Return Periods for Short-Duration Precipitation in Utah, Utah State 1971

25-yr, 24 hr \Rightarrow $P = 2.59$ inches
100-yr, 24 hr \Rightarrow $P = 3.25$ inches

Curve Number:

Reference: Urban Hydrology for Small Watersheds, TR-55, NRCS, June 1986.

- Native Soil at the landfill is Hydrologic Soil Groups (HSG) A
- Soils brought to the site as waste will likely be HSG A and HSG B because these soils are the most commonly used soils for roadway construction

Use HSG B for the site

- Assume bare soil conditions for the active landfill

Active Landfill \Rightarrow $CN = 86$

- Assume "Good" cover for the final cover (grass & weeds)

Final Cover \Rightarrow $CN = 62$



PROJECT Advanced Parking SHEET NO. 2 OF 3
 DESCRIPTION Landfill Permit PROJECT NO. _____
 CALC. BY JOB DATE 11/11/03 CHKD. BY _____ DATE _____

NRCS Curve No. Method

$$Q = \frac{(P - 0.25)^2}{(P + 0.85)} \quad S = \frac{1000}{CN} - 10$$

where P = rainfall (in)

Q = runoff (in)

S = potential maximum retention after runoff begins (in)

Runoff for Active Landfill

$$CN = 86 \quad S = \frac{1000}{86} - 10 = 1.628$$

$$25\text{-yr} \Rightarrow Q = \frac{(2.59 - 0.2(1.628))^2}{(2.59 + 0.8(1.628))} = 1.32 \text{ in}$$

$$100\text{-yr} \Rightarrow Q = \frac{(3.25 - 0.2(1.628))^2}{(3.25 + 0.8(1.628))} = 1.88 \text{ in}$$

$$25\text{-year} \Rightarrow \text{Volume} = (12 \text{ acres}) (1.32/12 \text{ ft}) = 1.32 \text{ ac-ft}$$

$$100\text{-year} \Rightarrow \text{Volume} = (12 \text{ acres}) (1.88/12 \text{ ft}) = 1.88 \text{ ac-ft}$$



PROJECT Advanced Paving SHEET NO. 3 OF 3
DESCRIPTION Landfill Permit PROJECT NO. _____
CALC. BY JDB DATE 11/11/03 CHKD. BY _____ DATE _____

Runoff from Closed Landfill

$$CN = 62$$

$$S = \frac{1000}{62} - 10 = 6.129 \text{ in}$$

25-yr \Rightarrow

$$Q = \frac{(2.59 - 0.2(6.129))^2}{(2.59 + 0.8(6.129))} = 0.25 \text{ in}$$

$$\text{Volume} = (12 \text{ acres}) \left(\frac{0.25}{12 \text{ ft}} \right) = 0.25 \text{ ac-ft}$$

100-yr \Rightarrow

$$Q = \frac{(3.25 - 0.2(6.129))^2}{(3.25 + 0.8(6.129))} = 0.50 \text{ in}$$

$$\text{Volume} = (12 \text{ acres}) \left(\frac{0.50}{12 \text{ ft}} \right) = 0.50 \text{ ac-ft}$$

